[ANARTS - Australian National Amateur Radio Teletype Society]

ANARTS News Bulletin 875 10TH SEPTEMBER 1995

SSTV Information

Condensed from an article by Radioware PO Box 1478 Westford MA 01886. Week 4 De VK2FJL @ VK2EHQ

Home Computers

Now that most home computers have plenty of memory and excellent colorgraphics, the most cost effective method is to use a computer with a suitable interface and software.

Note that if you want to send a picture of anything real, you will also need a frame grabber which will add a few hundred more dollars to the total system cost.

Amiga

The AVT Master system was once very popular during for both SSTV and WEFAX. It is composed of an interface that attaches to the parallel port and software.

It has images with up to 4096 colors, all the popular transmission modes, built in graphics editor, text generation, image processing techniques to clean up noisy pictures, and loads of other features. It was discontinued in 1993 when AEA dropped all of its Amateur Television products.

IBM PC

There are several PC-based color SSTV systems available.

Pasokon TV (Full transceiver SSTV modem, designed by J.Langner)
(requires internal IBM compatible card slot - 16 bit)

SSTV Explorer (Receive-only SSTV Modem, designed by J.Langner)
(requires IBM compatible serial port - 25 pin,
9 pin adapter option)

PC SSTV 5.0 Software Systems Consulting

ViewPort VGA (developed by KA2PYJ)

All the systems have some kind of hardware interface (modem or just demodulator) and software that runs on the PC. All require a VGA display. But there the similarities end.

Interestingly, many different approaches were taken with the hardware. Pasokon TV uses an interface that fits into an expansion slot inside the computer. ViewPort VGA uses an external interface that connects to the printer port. PC SSTV and SSTV Explorer use small interfaces that plug into a serial port. As does JV-FAX and MSCAN.

Software varies quite a bit in terms of SSTV modes implemented, support for super VGA cards with more than 256

simultaneous colors, ease of use, and other features.

HiRes 32 is a new version of the popular HiRes program.
It is a paint program designed specifically for use with the PC-based SSTV systems.
It has fancy text and a wide variety of special effects.

HiRes 32. Tom Jenkins N9AMR

Most of the recent growth of SSTV activity has been from the use of low cost interfaces and software on personal computers rather than expensive dedicated hardware. The next logical step is to use other common hardware which wasn't even intended for to be used for this purpose.

SLOW SCAN TV for the SOUND BLASTER. Gene Harlan WB9MMM

As the name implies, it uses the popular Sound Blaster sound card from Creative Labs.

More next week

This information was kindly supplied by Frank VK2FJL, and will run over 5 - 6 weeks. If you have any queries, contact Frank on packet at VK2EHQ. Our thanks to Frank for contributing to the broadcast.

CQ/DJ WW RTTY Contest

September 23-24

Sponsored by CQ Magazine and The IDRA Digital Journal

CONTEST PERIODS: STARTS at 0000 UTC Saturday, and ENDS at 2400 UTC Sunday, a total of 48 hours. NO REST PERIODS ARE REQUIRED.

Bands: 80, 40, 20, 15, and 10M. (five bands)

OPERATOR CLASSES: There is a High Power category (more than 150 watts) and a Low Power category (less than 150 watts). ONLY Single Op, All Band entries, and Multi-Op single transmitter entries are eligible to enter the High or Low Power categories. Enter one or the other, and so note in your log. Single band Assisted and Multi-multi entries are not eligible to enter these categories.

A) Single Op, All Band and Single Band. One person performs all operating and logging functions. Use of Spotting Nets, DX Alert Packet Systems, telephone, etc., is NOT permitted.

B) Single Op, Assisted, All Band Only. One person performs all operating and logging functions. However, the use of DX Spotting Nets or sny other form of DX alerting assistance IS allowed. The operator can change bands at any time. Single op stations are allowed only one transmitted signal at any given time.

C) Multi-Op, Single Transmitter. All band entry only. More than one person operates, logs, checks for dupes, use of

spoting, etc.

NOTE: Only one (1) transmitter and one (1) band permitted during the same period (defined as ten (10) minutes). Once the station has begun operation on a given band, it MUST remain on that band for 10 minutes; listening time counts as operating time.
EXCEPTION: One, and only one, other band may be used during the same time period if, and only if, the station worked is a new multiplier. Logs found in violation of the ten minute rule will be automatically reclassified as multi-multi to reflect their actual status.

D) Multi-Op, Multi-Transmitter. All band entry only. No limit to number of transmitters, but only one (1) signal per band permitted. All transmitters must be located within a 500 meter diameter, or within the property limits of the station licensee's address, whichever is the greater. The antennas must be physically connected by wires to the transmitter.

More next week

IPS WEEKLY SOLAR AND GEOPHYSICAL REPORT

(01 SEPTEMBER - 07 SEPTEMBER)

ISSUED 08 SEPTEMBER

SUMMARY

Date	01	02	03	04	05	06	07
10cm	74	73	74	74	75	72	70
A	3	5	5	5	28	20 (17 ESTIMATED)	
T	31	38	26	29	36	8	22

SOLAR ACTIVITY WAS VERY LOW, EXCEPT FOR 5 SEPTEMBER WHEN ACTIVITY WAS LOW.

THE GEOMAGNETIC FIELD AT LEARMONTH W.A. QUIET TO MOSTLY QUIET UNTIL 5TH WHEN THE FIELD BECAME UNSETTLED WITH MINOR STORM ACTIVITY. THE FIELD WAS UNSETTLED TO ACTIVE ON 6TH AND 7TH.

IONOSPHERIC F2 CRITICAL FREQUENCIES WERE NEAR PREDICTED MONTHLY VALUES DURING DAYLIGHT HOURS THROUGH THE 4TH, WITH NIGHTTIME ENHANCEMENTS OF 15 TO 40 PER CENT. fREQUENCIES WERE ENHABCED TO 10 PER CENT ON 5TH, RETURNING TO NEAR NORMAL BY THE 7TH SEPTEMBER,

FORECAST
(08 SEPTEMBER - 14 SEPTEMBER)

SOLAR: VERY LOW

GEOMAGNETIC: ACTIVE TO MINOR STORM LEVELS LIKELY 9-10 SEP, UNSETTLED CONDITIONS EXPECTED FOR THE REST OF THE WEEK.

IONOSPHERIC: DEGRADED CONDITIONS LIKELY 9-11 SEP, NORMAL CONDITIONS ARE EXPECTED FOR THE REST OF THE WEEK.

COURTESY OF IPS RADIO AND SPACE SERVICES

RTDX0901 RTTY DX

VK2SG RTTY DX NOTES FOR WEEKENDING SEPT.1ST 95 (BID RTDX0901)

The 4th Annual New Orleans DX Convention, August 25 and 26, 1995 is over and very successful! Five out-standing DXtrip experiences were narrated with slides.Two excellent technical talks were also presented. The finale came Saturday night at the dinner banquet when Vinson Thompson, K5VT was presented by the New Orleans International Delta DX Association with a plaque inscribed:

"THE DX'ERS OF THE YEAR"
1995

Our thanks this week go to: ZS5S, W2JGR, WB2CJL, VK2SG, K5KR, W5KSI, KB5GL, WX5L, W2UP, W1VXV, WA9AKT, IK6CGO, 1JQJ and the 425 DX gang, OPDX, DJ3IW and the Central Eu. DX Cluster Node DB0SPC, the NJ0M Node of Minnesota and the IK5PWJ Pa-Cluster.

BANDPASS:

FRIDAY 25
0415-14069 ZF2WM Pactor
0435-14070 A35CJ Pactor
1926-14087 SV8CS
1929-14083 LX1TI
2021-14086 4X6UO
2035-14085 3Z0RY
2128-14090 J28JJ
2141-14082 KG4NR
2216-14085 LU1CFU
2225-14090 C03ZD

SATURDAY 26
0036-14069 ZK1DB Amtor
0048-14070 HI8EL Pactor
0054-14071 V73EI Amtor
0536-14073 FK8HC Fec
1249-14081 DA0EVU Special Event
1817-14084 SV8CS
1923-14083 VP8CQS
2025-14086 D3T

SUNDAY 27
0028-14083 AZ7FAF
1225-14082 RA2FS
1230-14085 DL3LBT/DU1
1547-14089 UN7GY
1603-14087 ER27A
1605-14092 SV8CS
1743-14089 UR5EDU
1744-14087 EO50FI
1850-14083 SV8/DF9NW/P
1946-14086 CX5BW
2130-14084 UX2FXX
2229-14085 VK2KM
2254-14078 TI2AEB Pactor

2257-14085 5V7MD
2305-14085 PJ2MI
2357-14083 8P6DU

MONDAY 28
0552-14085 A35KB
1228-14084 DL3DBT/DU1
1240-14082 UX2FXX
1242-14087 RO9S
1245-14085 JT1CS
1846-14085 OD5PL
2018-14083 HP1DGX
2021-14087 XE3ARV
2114-14082 3Z0RY
2214-14082 VK2KM
2220-14081 RA2FS

TUESDAY 29
0051-14089 UN7GY
1305-14085 JT1CS
1513-14087 SV8CS
1923-14088 M1OOG Marconi sp. pfx. QSL via RSGB
1948-14082 ER27A
2106-14087 EO50FI
2141-14085 9G1BS
2154-14083 CO2KG

WEDNESDAY 30
no report

THURSDAY 31
1632-14085 YE50INA/8 (OC-146)Qsl YB1PR BOX 1096 JAKARTA
1644-14083 UX2FXX
1647-14085 SV1CDN/3
1648-14081 4L1BR
1917-14080 HC5EA
1949-14083 5R8DG

NOTES OF INTEREST:
LORD HOWE Is. VK9. Eddie, W6/G0AZT with W6OTC, N4TQO, and KE6FV will be active from Sept. 19th till Sept. 26th. They plan to be active with three stations on RTTY, CW, SBB and to take part on the CQ WW RTTY Contest. Calls will be VK9LZ on RTTY, VK9LX on CW and VK9NM on SSB. QSL all calls to Eddie Schneider, PO Box 5194, Richmond CA 94805.

ANTIGUA, V2. Stephen, WF2S, will be operating as V26Z from Sept. 17th to 30th with his partecipation also in the CQWW RTTY test. QSL via homecall.

CAYMAN Is. ZF. JA6VZB and JH6RTO will be active as ZF2TY/8 and ZF2SF/8 from the Little Cayman. Operation from Sept. 24 to 28th on 160 to 10 meter usinf CW, SSB, RTTY and SSTV. QSL ZF2TY via JA6BSM and ZF2SF via JH6RTO.

The VK2SG RTTY DXNOTES are also available on Internet via Telnet or FTP at ab6z.ampr.org, at reflectors dx@ve7tcp.ampr.org, and digital-dx@st.rim.or.jp. See also the OH2BUA WebCluster at
URL http://www.clinet.fi/~jukka/webcluster.html

BACK BULLETINS. Anyone wishing back bulletins from June 24th, 94 to present, just send msg to W5KSI @ W5KSI.#NOLA.LA.USA.NA. For

older bulletins of 1990-1991 is possible to obtain a copy from I5FLN, from 1992 up to now are computerized and you can address request to I5FLN @ I5FLN.ITOS.ITA.EU. On all request specify the year and (RTDX??/??) month/day.

For next week's bulletin send your bandpass to Bob, WB2CJL @ W5KSI.#NOLA.LA.USA.NA.

GL de (DX2) Luciano, I5FLN @ ZS5S.ZAF.AF

COMING EVENTS

SEPTEMBER	3RD	DARC CRORONA 10M DIGI
	23rd-24th	CQ WW RTTY CONTEST
OCTOBER	21ST-22ND	JARTS WW RTTY CONTEST

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President(Col) VK2CTD at VK2XSB, or the Secretary (Pat) VK2JPA at VK2AAB.

News items may be sent to Broadcast Officer PO Box 60 Blacktown 2148 Australia, or by packet to VK2JPA at VK2AAB. Email address for the Broadcast Officer is :

patl(at)pitt.conmusic.su.oz.au

The Society welcomes news items on any digital subjects from anywhere in the broadcast coverage area. We are looking for-ward to news from your areas to let other amateurs know what you are doing in the hobby. Hope to hear from you.

73s de Pat VK2JPA Broadcast Officer

--
Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2DAA.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99